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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	101600,904	
	Filing Date	06/20/2003	
	First Named Inventor	Robert Sigurd Nelson	
	Art Unit	2882	
	Examiner Name	Irakli Kiknadze	
Total Number of Pages in This Submission	3	Attorney Docket Number	

ENCLOSURES (Check all that apply)		
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Signature	Robert Sigurd Nelson	
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Date	June 27, 2006	Reg. No.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Appl. No. : 10/600,904  
Applicants : Robert Sigurd Nelson, William Bert Nelson  
Filing Date : June 20, 2003  
Examiner : Irakli Kiknadze  
Art Unit : 2882  
Title : DEVICE AND SYSTEM FOR IMPROVED IMAGING IN NUCLEAR  
MEDICINE AND MAMMOGRAPHY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

June 27, 2006

**AMENDMENT**

Dear Mr. Kiknadze:

In response to the Final Office Action of 06/15/2006 and our phone conversation of 06/27/2006, please amend claims 57, 58 of application 10/600,904 as follows:

**IN THE CLAIMS**

57. (Canceled) A method of calibrating a radiation detection system comprising:  
providing a ~~known~~ radiation source ~~distribution~~ that emits radiation, wherein the source is chosen from the group consisting of a uniform point-like source, a line-like source, a spherical source, a rod-like source, a collimated spot source, a slit source, a slot source, a grid pattern source, a planar flood field, and a shaped three-dimensional flood field,

measuring the level of radiation emitted from the source that is detected by the detection system, and

calibrating the detection system by evaluating the detected radiation and  
balancing the system based upon the detected radiation.